

ADDITIONAL LECTOTYPE DESIGNATIONS
IN THE APHODIINAE. (COLEOPTERA: SCARABAEIDAE)

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ABSTRACT

Lectotypes are designated and label data are recorded for 30 species of Aphodiinae in the following museums: Museum National d'Histoire Naturelle (Paris), Staatliches Museum für Tierkunde (Dresden, DDR), Museum für Naturkunde (Berlin, DDR), Deutsches Entomologisches Institut (Berlin, DDR).

In 1964 I selected and published a list of lectotypes in the aphodiine genus *Ataenius*. In the present publication additional lectotypes in the Aphodiinae are selected, and label data are recorded. Included are the Harold species which I indicated in the previous paper I thought should be considered lectotypes even though the label data were incomplete. Appropriate labels have been attached. In addition the location of several previously unlabeled holotypes is given and the specimens have been labeled as holotypes. My notations are in brackets. The / mark separates data on individual labels. Spelling is that found on the labels.

SPECIMENS IN THE MUSEUM NATIONAL D'HISTOIRE NATURELLE (PARIS,
FRANCE)

LECTOTYPES

Ataenius integer Harold, 1868:86. 3 labels: integer Harold/Brasilia/ Ex Musaeo E. Harold/.

Ataenius opatrinus Harold, 1867:82. 2 labels: Bahia. A. opatrinus talpa Reich. Har/ Ex Musaeo E. Harold/.

Ataenius picinus Harold, 1867:291. 2 labels: Chili *Ataenius picinus mihi*/ Ex Musaeo E. Harold/.

Ataenius opacus Harold, 1867:100. 3 labels: a small yellow triangle with line on one side and dot in middle/ opacus mihi type/ Ex Musaeo E. Harold/.

Ataenius figurator Harold, 1874:24. 2 labels: Louisiana/ Ex Musaeo E. Harold/.

Ataenius horni Harold, 1874:19. 2 labels: S. Carolina A. horni Type Harold/ Ex Musaeo E. Harold/.

Ataenius simulator Harold, 1868:85. 2 labels: *Ataenius simulator* Harold/ Ex Musaeo E. Harold/.

Ataenius sculptor Harold, 1868:85. 2 labels: sculptor/ Ex Musaeo E. Harold/.

Ataenius perforatus Harold, 1867:83. 2 labels: *Ataenius perforatus* Harold/ Ex Musaeo E. Harold/.

Ataenius scutellaris Harold, 1867:82. 2 labels: Caracas *Ataenius scutellaris* type Harold/ Ex Musaeo E. Harold/.

Ataenius capitosus Harold, 1867:83. 3 labels: Bogota/ capitosus Harold Kirsch/ Ex Musaeo E. Harold/.

Ataenius laborator Harold, 1869:102. 3 labels: Montevid. (verviens)/ laborator/ Ex Musaeo E. Harold/.

Ataenius punctipennis Harold, 1868:86. 2 labels: punctipennis type Harold/ Ex Musaeo E. Harold/.

Ataenius columbicus Harold, 1880:39. 3 labels: Columbia/ columbicus mihi/ Ex Musaeo E. Harold/.

Aphodius columbicus Harold, 1880:36. 3 labels: Viani/ Aphodius columbicus Typ. Harold/ Ex Musaeo E. Harold/.

Ataenius elegans Harold, 1868:85. 3 labels: Brasil elegans Typ./ brasiliensis Reiche Payet/ Ex Musaeo E. Harold/.

Ataenius complicatus Harold, 1869:102. 4 labels: Brasilia/ Ataenius melaneria Dj./ complicatus t. Harold/ Ex Musaeo E. Harold/.

Ataenius morator Harold, 1869:103. 4 labels: Bahia/ A. punctatipinis type mihi/ morator/ Ex Musaeo E. Harold/.

Ataenius sordidus Harold, 1869:103. 3 labels: Macejo (Bras.)/ sordidus Harold/ Ex Musaeo E. Harold/.

Ataenius attenuator Harold, 1874:22. 3 labels: attenuator typ. Harold/ abditus Haldm. [This in pencil on poor paper]/ Ex Musaeo E. Harold/.

Ataenius arenosus Harold, 1868:86. 2 labels: Ataenius arenosus Harold/ Ex Musaeo E. Harold/.

Ataenius peregrinator Harold, 1877:96. 3 labels: Celebes macassar I 74 0. Beccari/ Ataenius peregrinator Harold/ Ex Musaeo E. Harold/.

Ataenius aequalis Harold, 1880:40. 4 labels: small blue circle/ Ambalema/ aequalis Harold/ Ex Musaeo E. Harold/.

Euparia attenuata Harold, 1870:28. 3 labels: Brasilia/attenuata typ. Harold/ Ex Musaeo E. Harold/.

HOLOTYPE

Ataenius steinheili Harold, 1874:18. 3 labels: small blue circle/ Baranquilla Mompox/ Ex Musaeo E. Steinheil/.

SPECIMENS IN STAATLICHES MUSEUM FÜR TIERKUNDE (DRESDEN, DEUTSCHE DEMOKRATISCHE REPUBLIK):

HOLOTYPE

Auperia rhyticephalus Chevrolat, 1864:413. 6 labels: N. Amerika/ Coll. C. Felsche Kauf 20, 1918/ Staatl. Museum für Tierkunde Dresden/ rhyticephalus TYPUS Chev./ Auperia rhyticephalus Chev. an 1864 No 307-224 In'l Cuba. hana [probably an abbreviation of Havana] D. F. Poëy/ Ataenius rhyticephalus Chev. Amer. bor./.

LECTOTYPES

Auperia denominatus Chevrolat, 1864:413. 5 labels: Cuba/ Coll. C. Felsche Kauf 20, 1918/ Cuba Poëy/ Staatl. Museum für Tierkunde Dresden/ denominatus Chevr. stercoraria L Laval K 118 Inl Cuba havana D. Poëy 449/.

Auperia terminalis Chevrolat, 1864:414. 4 labels: Cuba/ Coll. C. Felsche Kauf 20, 1918/ Staatl. Museum für Tierkunde Dresden/ terminalis Dejean Inl Cuba Havana D. F. Poëy/.

Auperia sulcatulus Chevrolat, 1864:413. 5 labels: Cuba/ Coll. C. Felsche Kauf 20, 1918/ Colocephalus oh Cuba/ Staatl. Museum für Tierkunde, Dresden/ Sulcatulus (Reiche) Chvtan 1864-308 Ins Cuba Havana DF Poëy 224/.

SPECIMENS IN GERMAR COLLECTION, MUSEUM FÜR NATURKUNDE (BERLIN, DEUTSCHE DEMOKRATISCHE REPUBLIK):

HOLOTYPE:

Ataenius lecontei Harold, 1874:20. 3 labels: Carolina Zimm/ 26121/ A. Schmidt det/.

SPECIMENS IN DEUTSCHES ENTOMOLOGISCHES INSTITUT, BERLIN, DEUTSCHE DEMOKRATISCHE REPUBLIK.

LECTOTYPES:

Ataenius frankenbergeri Balthasar, 1938:56. Three specimens on same pin. Top specimen selected as Lectotype. 4 labels: W. H. Hoffman Havana 192/ Typus/ *Ataenius frankenbergeri* m. n. sp. Dr. V. Balthasar det/ Dtsch. Entomol. Institut Berlin/.

Ataenius havanensis Balthasar, 1938:56. 3 specimens on cards on same pin. Top specimen selected as Lectotype. 5 labels: 7.XI/ W. H. Hoffmann Havana 1921/ Typus/ *Ataenius havanensis* m. n.sp. Dr. V. Balthasar det./ Dtsche. Entomol. Institut Berlin/.

Ataenius sumatrensis Balthasar, 1941:184. 5 labels: Maryland V. 1925/ Sumatra leg et det. Fulmek/ Typus/ *Ataenius sumatrensis* n. sp. Typus Dr. V. Balthasar det./ Deutsch. Entomol. Institut Berlin/.

LITERATURE CITED

- BALTHASAR, VLADIMIR. 1938. Zweiter Beitrag zur Kenntnis der neotropischen Scarabaeiden. Arb. Morph. Tax. Ent. Berlin-Dahlem. 5(11):55-61.
- BALTHASAR, VLADIMIR. 1941. Neue coprophage Scarabaeiden des Deutschen Entomologischen Institut. Arb. Morph. Tax. Ent. Berlin-Dahlem. 8(1):181-184.
- CARTWRIGHT, OSCAR LING. 1964. Lectotype designations and new synonymy in the genus *Ataenius*. Coleopt. Bull. 18:101-104.
- CHEVROLAT, LOUIS ALEXANDRE AUGUSTE. 1864. Coleopteres de l'Ile de Cuba. Notes, synonymies et descriptions d'especes nouvelles. Cinquieme Memoire. Ann. Soc. Ent France 4(Ser. 4):405-417.
- HAROLD, EDGAR VON. 1867a. Die chilensischen Aphodiden. Berliner Ent. Zeit. 11:18-282.
- . 1867b. Diagnosen neuer Coprophagen. Coleopterologische Hefte I: 76-83.
- . 1867c. Diagnosen neuer Coprophagen. Coleopterologische Hefte II: 95-100.
- . 1868a. Diagnosen neuer Coprophagen. Coleopterologische Hefte III: 80-86.
- . 1868b. Diagnosen neuer Coprophagen. Coleopterologische Hefte IV: 79-86.
- . 1869. Diagnosen neuer Coprophagen. Coleopterologische Hefte V: 95-104.
- . 1870. Die Arten der Gattung *Euparia*. Coleopterologische Hefte VI: 2-30.
- . 1874. Ueber die *Ataenius*-Arten mit gezahntem Kopfschild. Coleopterologische Hefte XII: 15-25.
- . 1877. Enumeration des lamellicornes coprophages rapportes de l'Archipel Malais, de la Nouvelle Guinee et de l'Australie boreal par M. M. J. Doria, O. Beccari et L. M. D'Albertes. Ann. Mus. Civ. Genova 10:38-110.
- . 1880. Verzeichnis der von E. Steinheil in Neu-Granada gesammelten coprophagen Lamellicornien. Ent. Zeit. Stettin. 41:13-72.